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SEQUENCE LISTING

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<120> Peptide Fragments of Murine Epidermal Growth Factor as Laminin
Receptor Targets

<130> 8830-170 (43784-181696)

<140> US 09/673,785

<141> 2000-12-29

<150> PCT/GB99/01211

<151> 1999-04-21

<150> 9808407.2

<151> 1998-04-22

<160> 31

<170> PatentIn version 3.2

<210> 1

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925-933 of mature muring laminin B1 chain

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murine epidermal growth factor (mEGF)

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<223> Citrulline at position 9

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<223> 2',6'-dimethyl-beta-methyl-tyrosine at position 5 of linear
sequence of amino acids 925-933 of the mature murine b1 chain

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Cys Asp Pro Gly Xaa Ile Gly Ser Arg
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<223> 2-O-methyl-tyrosine at position 5 of linear sequence of amino
acids 925-933 of the mature murine b1 chain

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acids 925-933 of the mature murine b1 chain

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<223> Citrulline at position 9 of sequence based on mEGF 32-42

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<223> Artificial Sequence corresponding to COOH terminal end of the human laminin receptor

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Pro Thr Glu Asp Trp Ser Ala Gln Pro Ala Thr Glu Asp Trp Ser Ala
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Ala Pro Thr Ala

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Cys Val Ile Gly Tyr Ser Gly Ser Arg Cys
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Cys Val Ile Gly Tyr Ile Gly Ser Arg Cys
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<223> citrulline at position 9

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Cys Val Ile Gly Tyr Ser Gly Asp Xaa Cys
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<223> Artificial Sequence - peptide substitution V

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Cys Val Ala Gly Tyr Ser Gly Asp Arg Cys
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Cys Ala Ile Gly Tyr Ser Gly Asp Arg Cys
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Ala Val Ile Gly Tyr Ser Gly Asp Arg Cys

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Cys Val Ile Gly Tyr Ser Gly Asp Arg Ala
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Cys Val Ile Gly Tyr Ala Gly Asp Arg Cys
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<223> A biotinylated derivative used to demonstrate that mEGF(33-42)
bound to the 67kDa laminin receptor

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Cys Val Ile Gly Tyr Ser Gly Asp Arg Cys Lys
1 5 10

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 acceptable motif for 67-LR activation by both mEGF (33-42)
 Laminin B1 (925-933)

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 <223> substitute amino acid residue or amino acid analogue at position
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<220>
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 <223> substitute amino acid residue or amino acid analogue at position5

<400> 27
 Gly Tyr Xaa Gly Xaa Arg
 1 5

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<400> 28
 Tyr Ile Gly Ser Arg
 1 5

<210> 29
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 in turn by a.a- dialkyl substituted amino acids (a-amino
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 <223> a-amino isobutyric acid (AIB)

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<400> 29

Cys Val Ile Xaa Tyr Ser Xaa Asp Arg Cys
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<223> Artificial Sequence of mEGF 33-42 with glycine residues replaced
in turn by a.a- dialkyl substituted amino acids
(aminocyclopropane carboxylic acid ACPCA)

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Cys Val Ile Xaa Tyr Ser Xaa Asp Arg Cys
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<210> 31

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Tic-OH at position 5 of linear sequence of amino acids 925-933 of
the mature murine b1 chain

<220>

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<222> (5)..(5)

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